

TECHNIQUE FOR DETECTING CHANGES IN SIGNALS THAT ARE MEASURED BY QUANTIZATION

Abstract

A technique for detecting changes in a signal that is measured and reported by quantization uses a model that is updated in response to the sampling of quantized values representing the signal. In one stage, (i) frequencies of occurrences of different sampled quantized values in the stage are calculated and (ii) mean frequencies for each of the different sampled quantized values in the stage are calculated and recorded. In a next stage, frequencies of occurrences of different sampled quantized values occurring after an end of the preceding stage are calculated and statistically compared with the mean frequencies of the different sampled quantized values determined in the preceding stage. Dependent on this comparison, a notification may be issued indicating the signal is anomalously changing.

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